

32692  
Customer NumberPatent  
Case No.: 56686US008

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

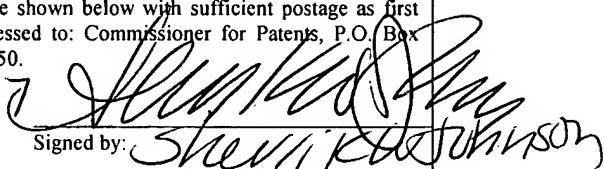
First Named Inventor: CHANG, JOHN C.  
 Patent No.: 6802870 Application No.: 10/726901  
 Dated: October 12, 2004 Confirmation No. 4174  
 Title: METHOD FOR IMPARTING SOIL AND STAIN RESISTANCE TO CARPET

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR § 1.322

Commissioner for Patents  
 Office of Publication  
 Attn: Certificate of Correction Branch  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Feb 16, 2007   
 Date Signed by: Sherry K. Johnson

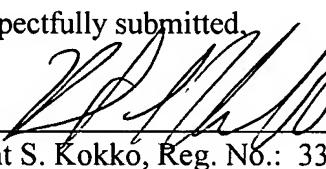
Dear Sir:

It is respectfully requested that a Certificate of Correction be issued in connection with the above-identified patent. The required text is submitted on the attached form.

Because the listed errors first occurred in the printed patent, and are not due to Applicant's mistake, no fee is required in connection with this Certificate of Correction.

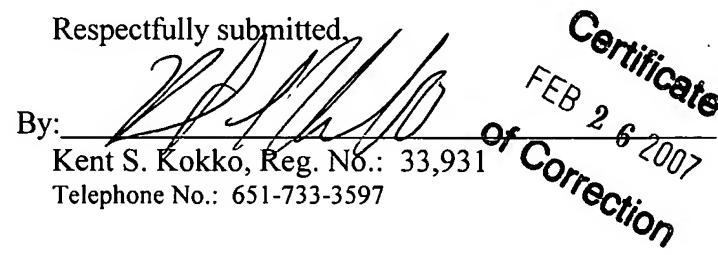
Enclosed are copies of the Information Disclosure Statement dated May 13, 2004, the accompanying PTO Form 1449, and the return postcard acknowledging receipt of the documents by the USPTO on May 17, 2004. This paperwork substantiates that the reference(s) listed on the attached Certificate of Correction were received by the USPTO and thus should have been considered by the Examiner. Accordingly, the error of omitting the reference(s) on the printed patent is attributed solely to the USPTO. The Applicant requests that the 1449 Form be signed and dated by the Examiner, and that the Certificate of Correction be issued.

Respectfully submitted,

By: 

Kent S. Kokko, Reg. No.: 33,931  
 Telephone No.: 651-733-3597

Feb 15, 2007  
 Date  
 Office of Intellectual Property Counsel  
 3M Innovative Properties Company  
 Facsimile No.: 651-736-3833



FEB 27 2007

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

Page 1 of 2

PATENT NO.: 6802870  
DATED: October 12, 2004  
FIRST NAMED INVENTOR: CHANG, JOHN C.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**First Page, Column 2**

Under "U.S. Patent Documents", after line 5, insert the following:

US -	1,901,536	03/1933	Schäfer
US-	1,972,754	09/1934	Biedermann
US-	1,988,985	01/1935	Schäfer
US-	2,112,361	03/1938	Fischer
US-	2,171,806	09/1939	Russell et al.
US-	3,493,424	02/1970	Mohrlok et al.
US-	4,351,736	09/1982	Steinberger et al.
US-	4,680,212	07/1987	Blyth et al.
US-	4,833,009	05/1989	Marshall
US-	4,833,839	05/1989	Kurose
US-	4,875,901	10/1989	Payet et al.
US-	4,937,123	06/1990	Chang et al.
US-	4,940,757	07/1990	Moss, III et al.
US-	4,963,409	10/1990	Liss et al.
US-	5,001,004	03/1991	Fitzgerald et al.
US-	5,061,763	10/1991	Moss, III et al.
US-	5,073,442	12/1991	Knowlton et al.

MAILING ADDRESS OF SENDER:

PATENT NO. 6802870

**OFFICE OF INTELLECTUAL PROPERTY COUNSEL  
3M INNOVATIVE PROPERTIES COMPANY  
3M CENTER - P.O. BOX 33427  
SAINT PAUL, MINNESOTA 55133-3427**

No. of add'l copies: 0-  
@ 50¢ per page

No add'l copies

FEB 27 2007

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

Page 2 of 2

PATENT NO.: 6802870  
DATED: October 12, 2004  
FIRST NAMED INVENTOR: CHANG, JOHN C.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

First Page, Column 2 – Con't.

US -	5,074,883	12/1991	Wang
US-	5,098,774	03/1992	Chang
US-	5,212,272	05/1993	Sargent et al.
US-	5,310,828	05/1994	Williams
US-	5,460,887	10/1995	Pechhold
US-	6,225,403	05/2001	Knowlton

FOREIGN PATENT DOCUMENTS

PCT	WO 92/07131	04/1992
DE	30 04 824	08/1981
PCT	WO 02/097188	12/2002

OTHER PUBLICATIONS

J. J. Bikerman, "Foams", Springer-Verlag, New York, Inc., pp. 108-132, (1973)

Encyclopedia of Chemical Technology, Kirk-Othmer, 3<sup>rd</sup> Ed., vol. 22, pp. 347-387, John Wiley & Sons (1983)

Nonionic Surfactants: Physical Chemistry, "Macroemulsions", Paul Becher and Martin J. Schick, vol. 23, Chapter 8, pp. 435-491, (1987)

MAILING ADDRESS OF SENDER:

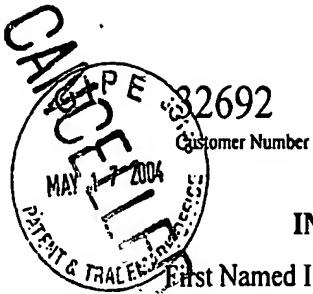
PATENT NO. 6802870

**OFFICE OF INTELLECTUAL PROPERTY COUNSEL  
3M INNOVATIVE PROPERTIES COMPANY  
3M CENTER - P.O. BOX 33427  
SAINT PAUL, MINNESOTA 55133-3427**

No. of add'l copies: 0  
@ 50¢ per page

No add'l copies

FEB 27 2007



Patent  
Case No.: 56686US008  
GFW  
\$



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: CHANG, JOHN C.

Application No.: 10/726901      Group Art Unit: 1751  
Filed: December 3, 2003      Examiner: Unknown  
Title: METHOD FOR IMPARTING SOIL AND STAIN RESISTANCE TO CARPET

### INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING  
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

MAY 13 2004

Date

Signed by: Hylis H. Frölke

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

If a first Office Action on the merits has been mailed prior to the mailing date of this document, please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p), and if necessary, please charge any additional fees, or credit any overpayment to Deposit Account No. 13-3723.

05/16/2004 001RETRAI 00000061 133723 10726901

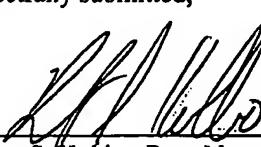
01 FC:1606 160.00 DA

Respectfully submitted,

Date

May 13, 2004

By:

  
Kent S. Kokko, Reg. No.: 33,931  
Telephone No.: (651) 733-3597

Office of Intellectual Property Counsel  
3M Innovative Properties Company  
Facsimile No.: 651-736-3833

FEB 27 2007

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

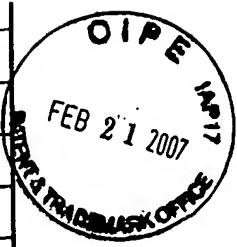
MAY

17 2004

(Use as many sheets as necessary)

Page 1 of 2

Filing Date	December 3, 2003
First Named Inventor	Chang, John C.
Art Unit	1751
Examiner Name	Unknown
Attorney Case Number	56686US008



## U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US- 1,901,536	03/14/1933	Schäfer	
	A2	US- 1,972,754	09/04/1934	Biedermann	
	A3	US- 1,988,985	01/22/1935	Schäfer	
	A4	US- 2,112,361	03/29/1938	Fischer	
	A5	US- 2,171,806	09/05/1939	Russell et al.	
	A6	US- 3,493,424	02/03/1970	Mohrlok et al.	
	A7	US- 4,351,736	09/28/1982	Steinberger et al.	
	A8	US- 4,680,212	07/14/1987	Blyth et al.	
	A9	US- 4,781,844	11/01/1988	Kortmann et al.	
	A10	US- 4,833,009	05/23/1989	Marshall	
	A11	US- 4,833,839	05/30/1989	Kurose	
	A12	US- 4,875,901	10/24/1989	Payet et al.	
	A13	US- 4,937,123	06/26/1990	Chang et al.	
	A14	US- 4,940,757	07/10/1990	Moss, III et al.	
	A15	US- 4,963,409	10/16/1990	Liss et al.	
	A16	US- 5,001,004	03/19/1991	Fitzgerald et al.	
	A17	US- 5,061,763	10/29/1991	Moss, III et al.	
	A18	US- 5,073,442	12/17/1991	Knowlton et al.	
	A19	US- 5,074,883	12/24/1991	Wang	
	A20	US- 5,098,774	03/24/1992	Chang	
	A21	US- 5,212,272	05/18/1993	Sargent et al.	
	A22	US- 5,310,828	05/10/1994	Williams	
	A23	US- 5,460,887	10/24/1995	Pechhold	
	A24	US- 6,225,403	05/01/2001	Knowlton	
	A25	US- 6,468,587	10/22/2002	Chang et al.	
	A26	US- 6,736,857	05/18/2004	Chang et al.	

\*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement)

FEB 27 2007

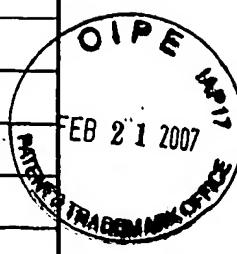
# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 2 of 2

O I P E  
MAY 11 2004

Filing Date	December 3, 2003
First Named Inventor	Chang, John C.
Art Unit	1751
Examiner Name	Unknown
Attorney Case Number	56686US008



## Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
	B1	PCT	WO 92/07131	04/30/1992			
	B2	DE	30 04 824	08/20/1981			Abstract
	B3	PCT	WO 02/097188	12/05/2002			
	B4						
	B5						
	B6						
	B7						

## OTHER DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1	J. J. Bikerman, "Foams", Springer-Verlag, New York, Inc., pp. 108-132, (1973)	
	C2	Encyclopedia of Chemical Technology, Kirk-Othmer, 3 <sup>rd</sup> Ed., vol. 22, pp. 347-387, John Wiley & Sons (1983)	
	C3	Nonionic Surfactants: Physical Chemistry, "Macroemulsions", Paul Becher and Martin J. Schick, vol. 23, Chapter 8, pp. 435-491, (1987)	

*Examiner:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



First Named Inventor: CHANG, JOHN C. \_\_\_\_\_

Case No.: 56686US008 \_\_\_\_\_

Application No.: 10/726901 \_\_\_\_\_

Title: METHOD FOR IMPARTING SOIL AND STAIN  
RESISTANCE TO CARPET \_\_\_\_\_

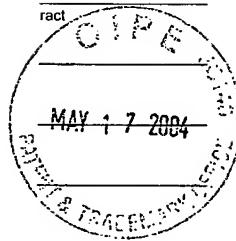
Enclosures:

Information Disclosure Statement, Form PTO-1449, and  
cited references. \_\_\_\_\_

Amount charged to Deposit Account: \$0.00

Attorney (initials): KSK/hhf

Date: MAY 13 2004



EB 27 2007